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Cap. 2

FEDERAL - STATE - PRIVATE  
COOPERATIVE SNOW SURVEYS

U. S. DEPT. OF AGRICULTURE  
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MAY 26 1966

CURRENT SERIAL RECORD

**WATER SUPPLY OUTLOOK**  
and  
**FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**  
for  
**NEVADA**

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,  
and

NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES  
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above in cooperation with the Federal, State and private organizations listed on the last page of this report.

AS OF  
**MAY 1, 1966**

# UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

## *To Recipients of Water Supply Outlook Reports:*

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Listed below are water supply outlook reports based on Federal-State-Private Cooperative snow surveys. Those published by the Soil Conservation Service may be obtained from Soil Conservation Service, Room 507, Federal Building, 701 N. W. Glisan, Portland, Oregon 97209.

### PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
<b>RIVER BASINS</b>			
WESTERN UNITED STATES	MONTHLY (FEB.-MAY)	PORTLAND, OREGON	ALL COOPERATORS
BASIC DATA SUMMARY	OCTOBER 1	PORTLAND, OREGON	ALL COOPERATORS
<b>STATES</b>			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
ARIZONA	SEMI-MONTHLY (JAN.15 - APR.1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (JAN.-JUNE)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
MONTANA	MONTHLY (JAN.-JUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
NEVADA	MONTHLY (JAN.-MAY)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-JUNE)	PORTLAND, OREGON	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH	MONTHLY (JAN.-JUNE)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-JUNE)	SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

### PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	WATER RESOURCES SERVICE, DEPT. OF LANDS, FOREST AND WATER RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, P.O. Box 388, SACRAMENTO, CALIF.

**WATER SUPPLY OUTLOOK**  
and  
**FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**  
**for**  
**NEVADA**

*Report prepared by*

MANES BARTON

*and*

ROY E. MALSOR, JR.

SOIL CONSERVATION SERVICE  
1479 SOUTH WELLS AVENUE  
RENO, NEVADA

MAY 8, 1966

*Issued by*

CHARLES W. CLEARY, JR.

STATE CONSERVATIONIST  
SOIL CONSERVATION SERVICE  
RENO, NEVADA

ELMO J. DE RICCO

DIRECTOR  
DEPARTMENT OF CONSERVATION AND  
NATURAL RESOURCES  
CARSON CITY, NEVADA





# INDEX TO NEVADA SNOW COURSES

( By Basins )

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
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## Snake River Basin

### Snake River

15H1MA	BEAR CREEK	31	46N	58E	7800
15H2	FOX CREEK	33	45N	58E	6900
15H13	GOAT CREEK	31	46N	60E	8800
15H15A	HUMMINGBIRD SPRINGS	6	45N	60E	8945
14H1	JACKS CREEK	6	42N	62E	7000
15H20	MERRITT MOUNTAIN	10	46N	54E	7000
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330
15H18a	RED POINT	15	47N	61E	7940
15H3A	76 CREEK	6	44N	58E	7100
15H19a	STAG MTN.	29	41N	58E	7800

### Owyhee River

15H4MP	BIG BEND	30	45N	56E	6700
16H6a	COLUMBIA BASIN	31	44N	53E	6650
16H8a	FAWN CREEK	2	45N	52E	7000
15H5	GOLD CREEK	31	45N	56E	6600
16H1M	JACK CREEK, LOWER	18	42N	53E	6800
16H2A	JACK CREEK, UPPER	9	42N	53E	7250
16H4	JACKS PEAK	28	42N	53E	8420
16H5	LAUREL CRAW	20	45N	53E	6700
17G4a	LOUSE CANYON (OREG.)	27	40S	44E	6440
15H9MP	TAYLOR CANYON	35	39N	53E	6200

## Interior

### Upper Humboldt River

15J17a	AMERICAN BEAUTY	32	31N	58E	7800
16H6a	COLUMBIA BASIN	31	44N	53E	6650
15J12A	CORRAL CANYON	27	28N	57E	8500
15J1MP	DORSEY BASIN	28	35N	60E	8100
15J3	DRY CREEK	5	34N	60E	6500
15H7	FRY CANYON	31	43N	54E	6700
15J5MP	GREER MOUNTAIN	23	29N	57E	8000
15J10	HARRISON PASS #1	9	28N	57E	6600
15J11	HARRISON PASS #2	16	28N	57E	7400
15J4	LAMOILLE #1	15	32N	58E	7100
15J5	LAMOILLE #2	14	32N	58E	7300
15J6M	LAMOILLE #3	24	32N	58E	7700
15J7	LAMOILLE #4	19	32N	59E	8000
15J8P	LAMOILLE #5	31	32N	59E	8700
15J18a	POLE CANYON	31	35N	61E	7140
15J16a	ROBINSON LAKE	23	33N	59E	9200
15H6MP	RODGO FLAT	36	43N	53E	6800
15J2	RYAN RANCH	1	34N	59E	5800
15H8	TREMEWAN RANCH	9	39N	55E	5700
15H10P	TROUT CREEK, LOWER	28	37N	61E	6900
15H11A	TROUT CREEK, UPPER	4	36N	61E	8500

### Lower Humboldt River

17K1	BIG CREEK CAMP GROUND	10	17N	43E	6600
17K2	BIG CREEK MINE	23	17N	43E	7600
17K3	BIG CREEK, UPPER	26	17N	43E	8000
17H2	BUCKSKIN, LOWER	25	45N	39E	6700
17H1	BUCKSKIN, UPPER	11	45N	39E	8200
17J2	GOLCONDA #2	22	35N	39E	6000
17H4	GRANITE PEAK	22	44N	39E	7800
17H5	LAMANCE CREEK	13	42N	38E	6000
17L1	LOWER CORRAL	12	11N	40E	7500
17H3	MARTIN CREEK	18	44N	40E	6700
16H3AP	MIDAS	18	39N	46E	7200
16H7	TDE JAM	29	40N	50E	7700
17L2	UPPER CORRAL	20	11N	41E	8500

### Eastern Nevada

14L1	BAKER #1	29	13N	69E	7950
14L2	BAKER #2	30	13N	69E	8950
14L3	BAKER #3	25	13N	68E	9250
14K2	BERRY CREEK	26	17N	65E	9100
14K1	BIRD CREEK	34	19N	65E	7500
15J13	CAVE CREEK	25	27N	57E	7500
15J14	HAGER CANYON	34	27N	57E	8000
15J15	HOLE-IN-MTN	6	35N	61E	7900
14K8	KALAMAZOO CREEK	34	20N	65E	7400
14K3	MURRAY SUMMIT	25	16N	62E	7250
15K1	ROBINSON SUMMIT	34	18N	61E	7600
14K7	SILVER CREEK #2	30	16N	69E	8000
14K5	WARD MOUNTAIN #2	25	15N	62E	7875

### Central Great Basin

18M2	CAMPITO MTN (CAL.)	19	5S	35E	10200
18M5a	CHICTOVICH FLAT	32	25	34E	10500
15N2	CLARK CANYON	8	19S	56E	9000
18M1	MONTGOMERY PASS	4	1N	33E	7100
18M3a	PINCHOT CREEK	28	1N	33E	9300
18M4a	PIUTE PASS (CAL.)	33	4S	33E	11700
15N1	TROUGH SPRINGS	23	18S	55E	8500

### Northern Great Basin

19H1	BALO MOUNTAIN	17	45N	21E	6720
20H5	BARBER CREEK	23	39N	16E	6500
20H6	CEDAR PASS	12	43N	14E	7100
18G6a	OENIO CREEK (OREG.)	14	41S	34E	6000
18H1	OISASTER PEAK	8	47N	34E	6500
20H3a	OISMAL SWAMP (CAL.)	31	48N	22E	7000
20H7	EAGLE PEAK	35	40N	15E	7200
19H3	49-MTN	7	42N	19E	6000
19H2	HAYS CANYON	1	39N	18E	6400
19H4a	LITTLE BALLY MTN	8	45N	19E	6000
17G5a	OREGON CANYON (OREG.)	9	40S	40E	7240
17H6a	QUINN RIDGE	9	47N	41E	6300
20H4	RESERVATION CREEK	12	46N	15E	5900
18G5a	TROUT CREEK (OREG.)	10	41S	38E	7800

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
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## Lake Tahoe

19L14	DAGGETTS PASS	19	13N	19E	7350
20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7450
19L2	FREEL BENCH (CAL.)	36	12N	18E	7300
19K6	GLENBROOK #2	13	14N	18E	6900
19L3M	HAGANS MEADOW (CAL.)	36	12N	18E	8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E	8200
19K4M	MARLETTE LAKE	13	15N	18E	8000
20L3	RICHARDSONS #2 (CAL.)	6	12N	18E	6500
20L1	RUBICON #1 (CAL.)	6	13N	17E	8100
20L2	RUBICON #2 (CAL.)	6	13N	17E	7500
20K16	TAHOE CITY (CAL.)	6	15N	17E	6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400
20K17M	WARD CREEK (CAL.)	21	15N	16E	7000

## Truckee River

20K14	BOCA #2 (CAL.)	28	18N	17E	5900
20K22	BRICKWAY SUMMIT (CAL.)	3	17N	16E	7100
29K21	DONNER PARK #2 (CAL.)	18	17N	16E	6000
20K10*	DONNER SUMMIT (CAL.)	25	17N	14E	6900
20K7*	FOROYCE LAKE (CAL.)	34	18N	13E	6500
20K8	FURNACE FLAT (CAL.)	10	17N	13E	6700
20K4M	INDEPENDENCE CAMP (CAL.)	34	19N	15E	7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E	6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E	8450
19K3	LITTLE VALLEY	17	16N	19E	6300
19K2	MT. ROSE	7	17N	19E	9000
20K6	SAGE HEN CREEK (CAL.)	7	18N	16E	6500
20K19	SQUAW VALLEY #2 (CAL.)	6	15N	16E	7500
20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400
20K2	WEBBER LAKE (CAL.)	29	19N	14E	7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000

## Carson River

19L5	BLUE LAKES (CAL.)	30	9N	19E	8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600
19K5	CLEAR CREEK	6	14N	19E	7300
19L19a	EBBETS PASS (CAL.)	17	8N	20E	8700
19L6A	POISON FLAT (CAL.)	25	8N	21E	7900
19L16a	UPPER FISH VALLEY (CAL.)	18	7N	22E	8050
19L20a	WOLF CREEK	35	8N	20E	8000
19L18a	WET MEADOWS LAKE (CAL.)	26	9N	19E	8100

## Walker River

19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500
19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400
18L1	LAFON MEADOW	36	8N	28E	9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E	7200
19L17a	LOBDELL LAKE	20	7N	24E	9200
18L2	MT. GRANT	23	8N	28E	9000
19L7M	SONORA PASS (CAL.)	1	5N	21E	8800
19M1*	TIOGA PASS (CAL.)	30	1N	25E	9900
19L13M	VIRGINIA LAKES (CAL.)	5	2N	25E	9500
19L9	WILLOW FLAT (CAL.)	21	5N	23E	8250

## Colorado

### Lower Colorado River

15N5	KYLE CANYON	27	19S	56E	8200
15N4	LEE CANYON #1	10	19S	56E	8400
15N3	LEE CANYON #2	9	19S	56E	9200
15N8	LEE CANYON #3	10	19S	56E	8500
14M1	MATHEW CANYON	10	6S	70E	6000
14M2	PINE CANYON	23	6S	69E	6200
15N7	RAINBOW CANYON #2	6	20S	57E	8100
15L1	WHITE RIVER #1	31	13N	59E	7400

LEGEND  
NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4A	SNOW COURSE AND AERIAL MARKER
19K4P	SNOW COURSE AND STORAGE PRECIPITATION GAGE
19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4MP	SNOW COURSE, SOIL MOISTURE AND PRECIPITATION GAGE

LOWER CASE LETTERS 'm, a, p, INDICATE NO SNOW COURSE, ONLY A SOIL MOISTURE STATION, AERIAL MARKER OR STORAGE PRECIPITATION GAGE.

\* LOCATED ON ADJACENT WATERSHED





WATER SUPPLY OUTLOOK  
FOR NEVADA

MAY 1, 1966

\*\*\*\*\*  
\* Nevada's water supply outlook for the remainder of the 1966 irrigation \*  
\* season did not improve during April. Water users served from reservoirs \*  
\* will have an adequate water supply. Those served by direct diversion will \*  
\* experience moderate to heavy shortages by mid-summer. April precipitation \*  
\* was much below normal. April snowmelt was rapid, with the May 1 snow line \*  
\* at much higher than normal elevations. Reservoir storage is 130 percent of \*  
\* the May 1 average. Mountain soil moisture is fair to good, with the top \*  
\* foot drying rapidly. \*  
\*\*\*\*\*

STREAMFLOW FORECASTS

Tahoe-Truckee, Carson, and Walker rivers May-July 1966 forecasts range from 60 to 80 percent of average. April precipitation was below average, and, as a result, the forecasts have been lowered 10 to 20 percent from those of a month ago. Lake Tahoe, currently at 6227.75 feet above sea level, is forecast to rise .70 foot from May 1, assuming the gates are closed.

May-July 1966 streamflow forecasts in the Humboldt-Owyhee Basins have been lowered, due to below normal April precipitation. Flow north of the main Humboldt River will be in the 25 to 50 percent of average range; in the 70 percent range south of the river; and 48 percent at the Palisade gaging station. Central and southern Nevada streamflow will range from fair to poor.

Streamflow is expected to drop off sharply, particularly on smaller streams, by early June, unless heavy precipitation occurs in the near future.

RESERVOIR STORAGE

Reservoir storage is good, with May 1, 1966, storage 130 percent of average and 79 percent of capacity. April inflow was below normal, with a 37,000 acre-feet increase compared to the usual 58,000 acre-feet. This was due to earlier than usual irrigation water withdrawals coupled with below normal April streamflow. Carryover into 1967 will be lower than previously estimated.

SOIL MOISTURE

Soil moisture at the median and higher elevations remains fair to good. Lack of precipitation and high temperatures are rapidly drying the soil behind the receding snow.

SNOW COVER

Snowmelt continues at a greater than normal rate. Except at the higher and more sheltered locations, most of the below normal snow pack has melted. The May 1 snow pack, as measured at a few key snow courses about the state, ranges from 50 percent to 0 percent of average.



# NEVADA STREAMFLOW FORECASTS - MAY 1, 1966

The following summarized runoff forecasts are based principally on mountain snow cover and the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts.

Basin and Forecast Stream	May-July, Streamflow Thousands Acre-Feet				
	Forecast 1966	15-Yr. Av. 1948-62	1966 as % of 15-Yr. Av.	Measured Runoff 1965	1964
<u>TRUCKEE RIVER</u>					
Little Truckee River above Boca, California <sup>1</sup>	44	55	80 (70)	86	42
Truckee River at Farad, California <sup>1, 2</sup>	130	190	68 (66)	222	126
Lake Tahoe <sup>1, 3</sup>	.70	1.09	64 (61)	1.13	0.72
<u>CARSON RIVER</u>					
East Carson near Gardnerville, Nevada	110	143	77	193	90
West Carson at Woodfords, California	30	40	75	57	24
Carson River near Carson City, Nevada	87	134	65	194	70
Carson River at Ft. Churchill, Nevada	75	124	60	175	59
East Carson near Gardnerville, Nevada (Date of 200 c.f.s. flow)	7/5	7/20	--	8/27	7/4
<u>WALKER RIVER</u>					
East Walker near Bridgeport, California <sup>4</sup>	38	48	81	81	18
West Walker below East Fork near Coleville, California	100	123	79	168	76
<u>COLORADO RIVER</u>					
Virgin River at Virgin, Utah <sup>5</sup>	30	43	70	63	37

(Continued)



NEVADA STREAMFLOW FORECASTS - May 1, 1966 (Continued)

Basin and Forecast Stream	May-July, Streamflow Thousands Acre-Feet				
	Forecast 1966	15-Yr. Av. 1948-62	1966 as % of 15-Yr. Av.	Measured Runoff 1965	1964
<u>HUMBOLDT RIVER</u>					
Lamoille Creek nr. Lamoille, Nev.	17	24	71	32	32
So. Fk. Humboldt nr. Elko, Nev.	38	49	78	81	76
Marys River above Hot Springs, Nev.	9	23	39	40	21
No. Fk. Humboldt at Devils Gate, Nev.	5	20	25	29	17
Humboldt River at Palisade, Nev.	60	126	48	201	200
Humboldt River at Comus, Nev.	40	94	43	172	156
Martin Creek nr. Paradise, Nev.	4	10	40	13	9

SNAKE RIVER

Owyhee River nr. Owyhee, Nev. <sup>6</sup>	10	42	24	54	47
Owyhee nr. Gold Creek, Nev. <sup>6</sup>	2	10	20	15	7
Salmon Falls Creek nr. San Jacinto, Nev. <sup>7</sup>	34 32	49 46	69 70	72 65	80 76

SURPRISE VALLEY

Bidwell Cr. nr. Ft. Bidwell, Calif. <sup>8</sup>	7.5	12.3*	61	17.3	--
Mill Cr. nr. Cedarville, Calif. <sup>8</sup>	3.0	5.5	55	5.5	5.8
Deep Cr. nr. Cedarville, Calif. <sup>8</sup>	1.9	3.8	50	3.0	3.9
Eagle Cr. nr. Eagleville, Calif. <sup>8</sup>	3.1	5.2	60	6.5	5.8

- Forecast issued by Truckee Basin Water Committee, composed of Truckee-Carson Irrigation District, Sierra Pacific Power Company and Washoe County Water Conservation District.
- Exclusive of Tahoe and corrected for storage in Boca Reservoir.
- Maximum rise, in feet, from May 1, assuming gates closed.
- For period May through August corrected for storage in Bridgeport Reservoir.
- April-June forecast; issued by SCS, Salt Lake City, Utah.
- Corrected for storage in Wild Horse Reservoir.
- May-Sept. and May-July forecasts respectively; issued by SCS, Boise, Idaho.
- April-Sept. forecast; coordinated forecast of SCS and California Dept. of Water Resources, Snow Survey Units.

\* Adjusted average.

\*\* Number in parenthesis is forecast as percent of long term average.





NEVADA  
STATUS OF RESERVOIR STORAGE

MAY 1, 1966

Basin and Stream	Reservoir	Usable Capacity (1000 AF)	USABLE STORAGE - 1000 ACRE-FEET			
			1966	1965	1964	May 1 15-Yr. Av. 1948-62
Owyhee	Wild Horse	33	17	26*	33	26
Lower Humboldt	Rye Patch	179	163	160	97	77
Colorado	Mohave	1,810	1,708	1,713	1,715	1,371**
Colorado	Mead	27,217	15,492	11,723	14,564	16,696
Tahoe	Tahoe	732	570	546	352	437
Truckee	Boca	41	27	30	26	26
Truckee	Prosser	29	13	21	14	***
Carson	Lahontan	286	222	258	220	206
West Walker	Topaz	59	52	47	47	35
East Walker	Bridgeport	42	38	28	39	27

\* Reservoir drained during summer to effect repairs to dam.

\*\* 1950-62

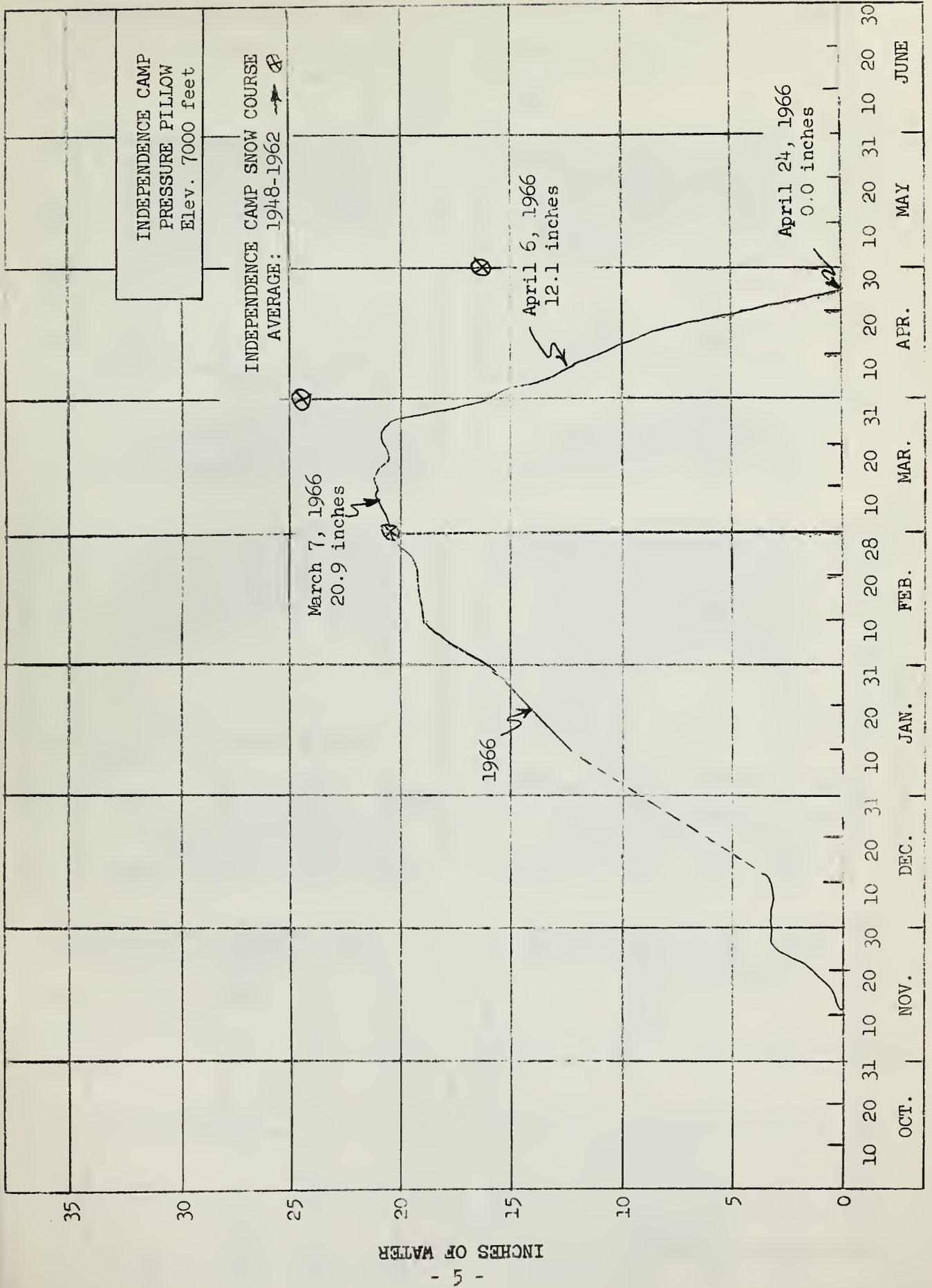
\*\*\* Flood control use allocation of 20,000 A.F. between November 1 and April 10.  
Storage began January 30, 1963.

TOTAL RESERVOIR STORAGE

Developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and  
Bridgeport Reservoirs in 1000's Acre-Feet

Month	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66	Average 1948-62
October 1	263	65	345	707	498	1144	572
January 1	206	57	419	756	785	1112	622
February 1	218	73	558	784	911	1049	670
March 1	254	210	696	777	948	1039	725
April 1	285	318	769	775	1008	1052	776
May 1	300	499	844	814	1104	1089	834







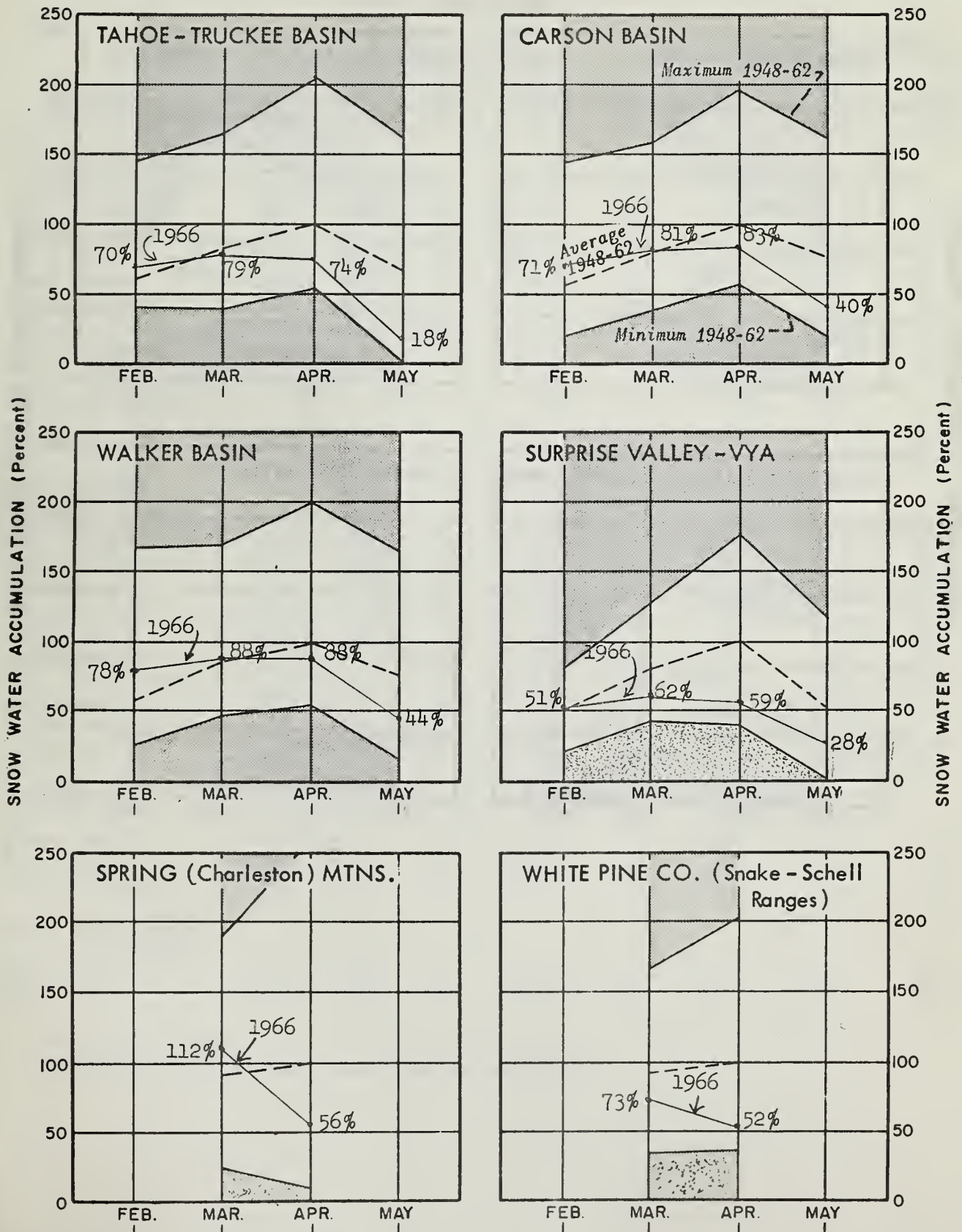


# SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

Based on Selected Key Snow Courses

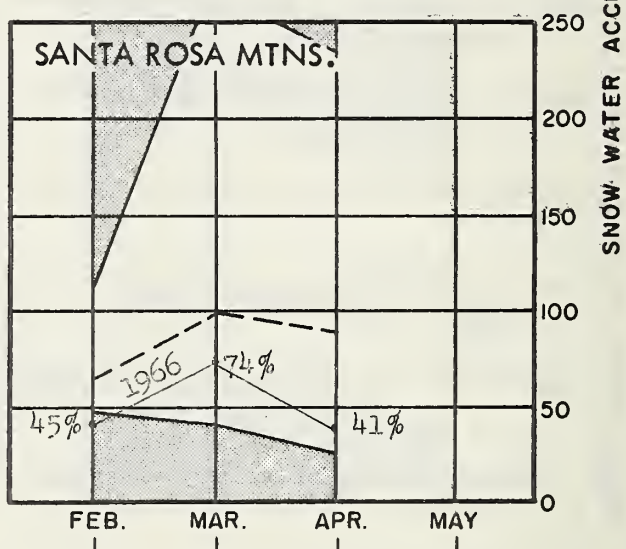
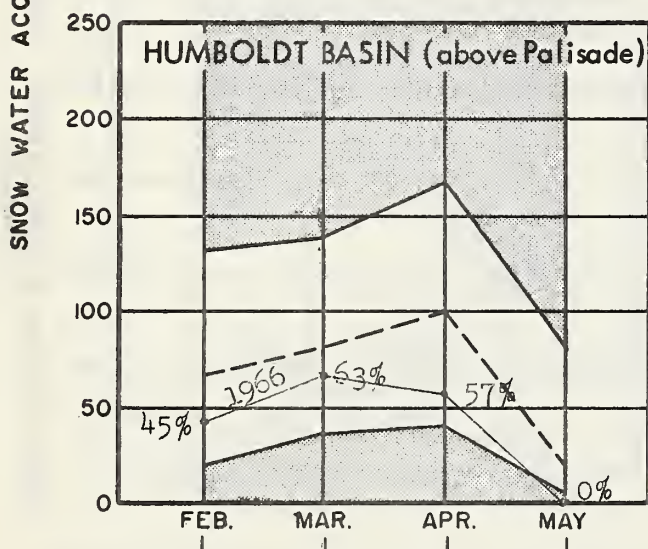
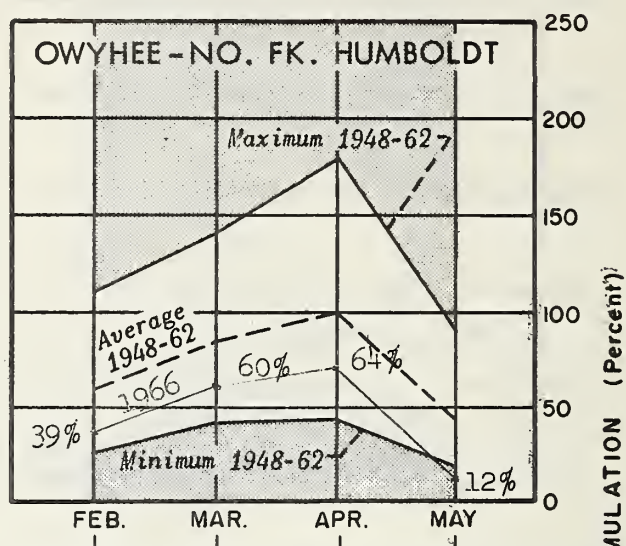
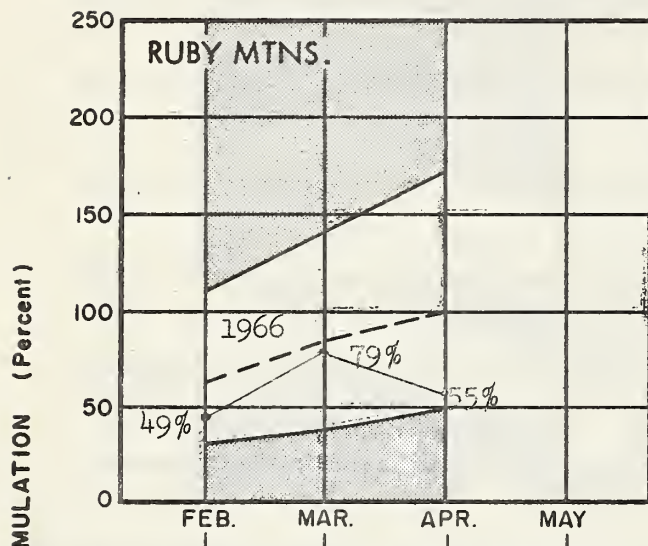
As of May 1, 1966



# SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation  
At Selected Key Snow Courses

As of May 1, 1966



## NEVADA SNOW SURVEYS

May 1, 1966

Watershed and Course	Elev.	Date Survey	May 1, 1966		Water Content (Inches)			
			Depth	Water	May 1			
			Snow	Content	May 1	May 1	1948-62	April 1
			(In.)	(In.)	1965	1964	Avg.	1966
<u>WALKER-CARSON- TAHOE-TRUCKEE</u>								
Virginia Lakes	9500	4/29	14	6.6	17.1	4.9	11.5*	16.2
Sonora Pass	8800	4/29	12	6.4	26.4	6.7	16.6*	20.6
Carson Pass, Upper	8600	4/26	37	19.1	46.1	18.0	29.9	27.8
Blue Lakes	8000	4/25	44	20.4	45.9	16.4	29.9	31.6
Echo Summit	7500	5/4	4	2.4	39.1	8.6	25.3	28.7
Donner Summit	6900	4/27	24	11.8	39.4	16.4	28.4	31.4
Furnace Flat	6600	4/26	60	30.5	47.1	29.1	40.3*	40.7
Fordyce Lake	6500	4/26	47	23.6	33.5	24.7	32.7*	39.0
<u>SURPRISE VALLEY</u>								
Cedar Pass	7100	5/3	13	5.0	10.9	8.7	9.5*	12.2
<u>SNAKE-OWYHEE</u>								
Hummingbird Springs	8945	4/28	34	11.3 <sup>a</sup>	31.9 <sup>a</sup>	32.2 <sup>a</sup>	25.1*	17.3
Goat Creek	8800	4/28	18	6.4 <sup>a</sup>	21.7 <sup>a</sup>	20.2 <sup>a</sup>	19.4*	13.1
Pole Creek R. S.	8330	4/26	33	11.0	26.8	25.1	22.2*	16.2
Bear Creek	7800	4/28	26	8.7 <sup>a</sup>	24.1 <sup>a</sup>	17.5 <sup>a</sup>	21.0*	16.5
Big Bend	6700	4/28	0	0.0	T	2.4	1.3*	5.7
Gold Creek	6600	4/28	0	0.0	0.0	0.0	0.0*	2.7
Jacks Peak	8420	5/3	45	20.1	36.2	25.2	28.5*	23.6
Jack Creek, Upper	7250	5/3	0	0.0	T	1.2	3.5*	7.7
Jack Creek, Lower	6800	5/3	0	0.0	0.0	T	0.0*	T
Taylor Canyon	6200	5/3	0	0.0	0.0	0.0	0.0*	1.9
Red Point	7940	4/28	0	0.0 <sup>a</sup>	6.0 <sup>a</sup>	18.7 <sup>a</sup>	---	0.0
<u>HUMBOLDT</u>								
Rodeo Flat	6800	5/3	0	0.0	0.0	0.0	1.4*	4.9
Fry Canyon	6700	5/3	0	0.0	0.0	0.0	1.1*	6.0
Tremewan Ranch	5700	5/3	0	0.0	0.0	0.0	0.0*	0.0
<u>WHITE PINE COUNTY</u>								
Berry Creek	9100	4/30	14	4.9	17.1	14.7	14.7	9.4
Bird Creek	7500	4/30	0	0.0	0.0	---	---	0.0

\* Adjusted average.

a Aerial snow depth gage; water content estimated.





DELAYED DATA AND ERRATA

SNOW SURVEY

Snow Course	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Past Record 1965
Clark Canyon	9000	3/8/66	32	9.6	--
Freel Bench	7300	2/28/66	34	12.3	--
Robinson Summit	7600	3/2/66	19	3.8	--
Sage Hen	6500	3/2/66	57	17.5	--
Upper Truckee	6400	2/28/66	35	11.7	--
Wet Meadow Lake	8100	3/1/66	70	24.5 <sup>a</sup>	--

WHITE MOUNTAINS

Chiatovich Flat	10500	1/26/66	T	T <sup>a</sup>	T <sup>a</sup>
Pinchot Creek	9300	1/26/66	T	T <sup>a</sup>	T <sup>a</sup>
Piute Pass	11700	1/26/66	20	5.4	T <sup>a</sup>
Pinchot Creek	9300	3/30/66	0	0.0 <sup>a</sup>	--
Piute Pass	11700	3/30/66	6	1.4 <sup>a</sup>	--

a Aerial snow depth gage reading; water content estimated.

SOIL MOISTURE

Station	Elevation	Profile		Moisture	
		Depth	Capacity	Date	Inches
Hagans Meadow	8000	36	3.65	2/28/66	2.63
Marlette Lake	8000	50	3.70	Oct. 1965	3.4





# Agencies Cooperating in Collecting Data Contained in this Bulletin

## FEDERAL

- Agricultural Research Service
- Army
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Navy
- Soil Conservation Service
- U.S. District Court - Federal Water Master
- Weather Bureau

## STATE

- California Cooperative Snow Surveys
- California Department of Parks and Recreation
- California Department of Water Resources
- Colorado River Commission of Nevada
- Nevada Association of Soil Conservation Districts
- Nevada Cooperative Snow Surveys
- Nevada Department of Conservation & Natural Resources
  - Division of Water Resources
  - Nevada State Forester-Firewarden
- Oregon Cooperative Snow Surveys
- University of Nevada
- White Mountain Research Station, Univ. of California

## PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas & Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Squaw Valley Development Company
- Truckee-Carson Irrigation District
- Virginia City Water Company
- Walker River Irrigation District
- Washoe County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

RENO, NEVADA

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**COOPERATIVE SNOW SURVEYS**

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necessary for forecasting  
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domestic and municipal water  
supply, hydro-electric power  
generation, navigation,  
mining and industry

*"The Conservation of Water begins  
with the Snow Survey"*